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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/648,004

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Martin Lund

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EXAMINER

PATEL, CHIRAG R

ART UNIT

PAPER NUMBER

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/648,004	<b>Applicant(s)</b> LUND, MARTIN	
	<b>Examiner</b> CHIRAG R. PATEL	<b>Art Unit</b> 2441	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 25 November 2008.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

***Response to Arguments***

Applicant's arguments with respect to claims 1-30 have been considered but are moot in view of the new ground(s) of rejection.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-9, 11-19, and 21-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kennedy et al. – hereinafter Kennedy (US 7,225,247) in view of Abjanic et al. – hereinafter Abjanic (US 2003/0069975).

As per claims 1, 11, and 21, Kennedy discloses a method for communicating information in a server, the method comprising:

receiving at least one packet (Col 5 line 49-Col 6 line 11; Management controller 120 packetizes the information) from a first blade server of a plurality of blade servers, at least two of which is coupled to a common switch via a common bus (Col 5 line 49-Col 6 line 11; Chassis management module 580 orchestrates the exchange of management information between blade servers 500 through 500G; Figure 5: Items 500A-500G)

Kennedy fails to disclose determining at least one identifier associated with at least a second blade server based on at least a portion of said received at least one packet; and

routing via a common switch, based on said determined at least one identifier, at least a portion of said at least one received packet to at least said second blade server.

Abjanic discloses determining at least one identifier ([0073]; such as switching to a particular output port of switch 165 based on source and /or destination address and port number provided in the message, [0083]; a computer chassis where cards or blades can be plugged in) associated with at least a second blade server based on at least a portion of said received at least one packet; ([0073]) and

routing via a common switch, (Figure 7: item 710) based on said determined at least one identifier, at least a portion of said at least one received packet to at least said second blade server. ([0073])

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to disclose determining at least one identifier associated with at least a second blade server based on at least a portion of said received at least one packet; and routing via a common switch, based on said determined at least one identifier, at least a portion of said at least one received packet to at least said second blade server in the disclosure of Kennedy. The motivation for doing do would have been to transform message between the various data formats ([0004])

As per claims 2, 12, and 22, Kennedy / Abjanic disclose the method according to claim 1, and Abjanic discloses comprising transferring said at least a portion of said at least one received packet to said at least said second blade server via said common switch. ([0073])

As per claims 3, 13, and 23, Kennedy / Abjanic disclose the method according to claim 1, and Abjanic discloses wherein said common switch comprises a switch blade coupled to said common bus, and wherein said switch blade controls said routing of said at least a portion of said received packet. ([0083]; a computer chassis where cards or blades can be plugged in; Figure 7: item 710)

As per claims 4, 14, and 24, Kennedy / Abjanic disclose the method according to claim 3, and Abjanic discloses further comprising determining at least one identifier of said switch blade. ([0073])

As per claims 5, 15, and 25, Kennedy / Abjanic disclose the method according to claim 4, and Abjanic discloses further comprising determining at least one identifier of said first blade server. ([0073])

As per claims 6, 16, and 26, Kennedy / Abjanic disclose the method according to claim 1. Abjanic discloses wherein said identifier of said first blade server, said identifier

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of said second blade server, and said identifier of said switch blade each comprises one or both of a MAC address and/or an IP address. ([0028])

As per claims 7, 17, and 27, Kennedy / Abjanic disclose the method according to claim 1, and Abjanic discloses comprising: acquiring at least one identifier of said first blade server; and transferring via said common switch, said acquired at least one identifier of said first blade server to at least said second blade server. ([0073])

As per claims 8, 18, and 28, Kennedy / Abjanic disclose the method according to claim 1, and Kennedy discloses comprising broadcasting at least a portion of said at least one received packet on said common switch. (Col 5 line 49-Col 6 line 11)

As per claims 9, 19, and 29, Kennedy / Abjanic disclose the method according to claim 1, and Abjanic discloses comprising receiving a broadcast containing said at least one received packet. ([0073])

Claims 10, 20, and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kennedy (US 7, 225, 247) / Abjanic et al. – hereinafter Abjanic (US 2003/0069975) further in view of Deng et al. – hereinafter Deng (US 6,208,647)

As per claims 10, 20, and 30, Kennedy / Abjanic discloses the method according to claim 1, and Kennedy fails to disclose comprising receiving at least one packet from said second blade server and transferring via said common switch, said at least at portion of said at least one packet received from said second blade server to at least one of said first blade server and a third blade server. Deng discloses comprising receiving at least one packet from said second blade server and transferring via said common switch, said at least at portion of said at least one packet received from said second blade server to at least one of said first blade server and a third blade server. (Col 5 lines 8-28) At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to disclose multicasting in the disclosure of Kennedy. The motivation for doing so would have been to provide true multicasting at an Ethernet switch by treating multicast addresses as unicast addresses (Col 3 lines 11-15)

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the

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shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Chang et al. - (US 7,236,490) is directed to a backplane interface adapter for a high-performance network switch.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chirag R Patel whose telephone number is (571)272-7966. The examiner can normally be reached on Monday to Friday from 8:00AM to 4:30PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia, can be reached on (571)272-3880.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pairedirect.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll free).



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/C. R. P./  
Examiner, Art Unit 2441

/Larry D Donaghue/  
Primary Examiner, Art Unit 2454